

Claim 1.

It is claimed that the flux rotator concept , a vertical -axis wind/fluid turbine having a vane hinged to swing about an axis parallel to a horizontal arm, with a stop , or means to prevent it going about in one direction,forming a kind of one way valve, opened by fluid pressure on its up wind journey and closed by gravity and fluid pressure on its downwind journey , is a novel , simple effective device.

Claim 2.

It is claimed that in such a vertical axis device the flux rotator is the first device to use fluid pressure on the upwind leg to open the vane, and fluid pressure and gravity to close the one-piece vane. All previous attempts have either used non- rigid vanes, collapsing fabric sails, or have had the vane swinging on a vertical axis , or have opened and closed a complex vane system with a variety of mechanical linkages. All the devices the author has seen would function in a fluid flow in the absence of gravity. The flux rotator would not. Neither at any point is the function of the rotator dependent on centrifugal force as part of its function.

Claim 3 .

It is claimed that the flux rotator concept is independent of the scale. The size of the device may be varied from the dimensions shown and the rotator concept is the same.

Claim 4. It is claimed that the vane geometry may be varied to make the vanes curved to some degree and the flux rotator concept is the same.

Claim 5 It is claimed that the coupled flux rotator inherits all the unique attributes of the simple flux rotator in the previous claims. Furthermore I claim that its coupled function, the horizontal shaft and the vanes distributed at 90 deg about it is a further, new and inventive step.